Sunshine Kids
JUVENILE PRODUCTS

RadianXTSL
convertible car seat

Please read carefully
Store behind cover

Instruction Manual

U.S. - English Version

Sunshine Kids
JUVENILE PRODUCTS

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RadianXTSL Manual –US Rev1- 072409

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Radian Feature Diagram

1. Child information tag
2. LATCH strap
3. LATCH strap guide
4. Forward-facing belt path
5. Release lever
6. Harness adjuster strap
7. Metal harness yoke
8. Shoulder harness strap
9. Harness slot
10. Locking clip
11. Top tether
12. Carry strap
13. Fabric side panel
14. Harness clip
15. Buckle pad
16. Harness adjuster lever
17. Buckle slot
18. Buckle
19. Harness pad
20. Detachable base
21. Backpack strap anchor
22. SafeStop™
23. Side Impact Head Support
24. Shoulder strap anchor
25. Locking bolts

WARNING
DEATH or SERIOUS INJURY can occur

• *Follow all instructions labeled on this child restraint and in the written instruction manual on the lanyard located on back of restraint. For infants under 4.5 kg (10 lbs), consult pediatrician for recommended seat back angle before installation.*

• *Failure to follow all instructions and product labels can result in death or serious injury in a crash. Carefully read and understand this instruction manual prior to using restraint. If you have any questions, visit* **www.skjp.com** *or contact Sunshine Kids at 1-888-336-7909.*

Use only with children weighing between 5 lbs to 80 lbs (2.3 kg to 36 kg) and who have a height of 53 inches (134.5 cm) or less.

• *Use only in rear-facing position with any infant weighing less than 20 lbs (9.1 kg).*

• *Maximum child weights: rear-facing 45 lbs (20.5 kg), forward-facing 80 lbs (36 kg).*

• *Only secure this child restraint with the vehicle's lower universal anchorage system (LATCH) if available or with vehicle seat belt.*

• *This restraint features the SuperLATCH® installation system.Vehicle's lower anchor points or top tether can be used to install this restraint for a child weighing up to 80 lbs (36 kg) in vehicles made after September 2005. For vehicles made before September 2005,consult vehicle manual for lower anchor and tether limits.*

• *Secure the top anchorage strap provided with this child restraint.*

• *Always use the SafeStop device according to manufacturer's instructions.*

• *Always use a locking clip if it is required for proper restraint installation. Consult vehicle owner's manual.*

• *WARNING: Before installing restraint in a vehicle equipped with front passenger airbags, carefully read the vehicle owner's manual for proper restraint installation instructions.*

WARNING
DEATH or SERIOUS INJURY can occur

• *Some vehicles have passenger seating in which the passenger faces the side or the rear of the vehicle. Do not install this restraint in such passenger seating. Only use this restraint in a vehicle seat which faces an adult passenger toward the front of the vehicle.*

• *Always adjust restraint harness for a comfortable and snug fit around child. A snug harness strap should not allow any slack. It lies in a relatively straight line without sagging. It does not press on the child's flesh or push the child's body into an unnatural position.*

• *This restraint is not for use in homes, boats, on a motorcycle or in any other non-specified applications or environments.*

• *Always keep this child restraint secured in the vehicle even when it is unoccupied. In a crash, an unsecured child restraint system may injure other occupants.*

• *In the event of an accident, the vehicle body itself provides the most significant passenger protection. While a properly installed restraint will improve chances for survival in most accidents, some crashes are unsurvivable regardless of what restraint is used.*

• *Based on accident statistics, the National Highway Traffic Safety Administration recommends the vehicle's rear seat as the safest location for all children under age 13.*

• *Register this restraint with the manufacturer using the attached registration card.*

Seating Position Information:

⚠ *WARNING:*

• *Use restraint ONLY with forward-facing vehicle seats*

• *DO NOT use restraint with side-facing or rear-facing vehicle seats in vans, trucks or station wagons.*

Child Restraint Safety Information:

• This restraint meets all applicable U.S. Federal Motor Vehicle Safety Standards.

• This restraint is certified for use in motor vehicles and aircraft.

• Register this restraint with the manufacturer.

Child restraints can be recalled for various reasons. To be reached directly in the event of a recall, you must register your restraint with the manufacturer. Fill out the included product registration card and mail it. You can register online at www.skjp.com. You can also register by sending your name, address, the restraint's model and serial number to:

Product Registration
c/o Sunshine Kids Juvenile Products
PO Box 77129
Seattle WA 98177-0129

Or you can call Sunshine Kids: (888) 336-7909

For recall information, call the U.S. Government's Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153), or go to http://www.nhtsa.gov

WARNING! DO NOT place a child restraint in the front seat of a vehicle with a passenger air bag unless the air bag is turned off. DEATH or SERIOUS INJURY can occur. The back seat is the safest.

☞ *IMPORTANT:*

• Before each use, always confirm restraint is securely installed and harness is properly adjusted around the child. Remember: The addition or removal of clothing (such as a sweater or coat) will change the fit of the harness.

• Always confirm before each use that restraint is securely locked in its unfolded position.

• Make sure vehicle seats which fold forward are securely locked in their open position. An unsecured vehicle seat back can impair the ability of the restraint to protect the child occupants.

Child Restraint Safety Information:
(continued)

• Cover restraint when vehicle is parked in direct sunlight. Parts of the restraint can become hot and cause injury to a child.

• Do not leave any child in a vehicle alone or unattended by an adult.

• Secure all personal objects inside the vehicle. In an accident loose objects can become flying hazards with the potential for causing serious injury.

• Except per the instructions in this manual, do not disassemble, attempt to disassemble or tamper with any part of this restraint or change the way the restraint harness or the vehicle restraint system is used.

• Do not use restraint if there is any appearance of rust on any of the metal surfaces.

• Do not oil or lubricate any part of the restraint.

• Release levers and locking bolts should operate smoothly and freely. When release levers are lifted, the release levers and locking bolts should spring back immediately and completely. Do not use restraint if release levers and/or locking bolts either bind or do not move freely.

• When not in use, store restraint properly and avoid placing heavy objects on top of it.

• To prevent injury to child:

Do not use restraint if it is older than eight years. Manufacture date is on back of restraint.

Do not use restraint after it has been involved in any accident. Damage to the restraint may have occurred which could impair its ability to adequately protect a child.

• This restraint is not a toy. Do not allow children to play with it.

• Using a non-Sunshine Kids product with this restraint, or any product not specifically approved by Sunshine Kids for use with this restraint, is not allowed. Use of such products voids manufacturer's warranty and may seriously impact this product's ability to perform properly in an accident.

• Fill out Emergency Child Information form attached to back of restraint.

Seat Belt Information

The information below applies only to installations using vehicle seat belts.

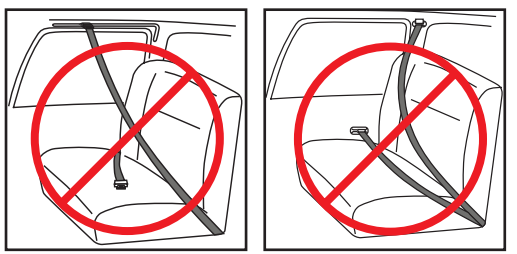
☞ *IMPORTANT:*

- *This restraint can be installed securely in most vehicles using the seat belt. However, some seat belts have an anchoring position for the lap belt that may not allow a secure restraint installation.*
- *Some vehicles do not have any seating positions that are compatible with a child restraint. Read owner's manual to determine child-specific seating. Contact the vehicle manufacturer if you have any doubts or questions.*

Some vehicle seat belts that are NOT compatible with this restraint are:

- Seat belts with top or bottom anchorage points attached to the front door.
- Motor driven automatic seat belts.
- Non-locking, (ELR) two-point vehicle seat belts.

If your seat belt is of a type listed above, choose another seat within the vehicle or use LATCH connectors and anchorage points. Information on the types of seat belts in your vehicle, are in the vehicle owner's manual.



Carrying Restraint

⚠ *WARNING:*

- *Do not carry restraint by harness adjuster strap (see diagram, page 3). This can damage the mechanism and the webbing.*
- *Only the shoulder strap made by Sunshine Kids is approved for use with this restraint.*

There are fours ways to carry restraint:

1) Red carry strap (Fig. 1)

2) Plastic side (Fig. 2)

3) Shoulder strap: Connect shoulder strap* to webbing anchors on side of restraint (Fig. 3)

4) Backpack:
(Requires two shoulder straps*)

Connect shoulder straps to lower webbing anchors on both sides and upper webbing anchors on back of restraint (Fig. 4).

* Padded shoulder strap available as a separate accessory, not included.

Unfolding and Folding Restraint

⚠ *WARNING:*

- *Do NOT use restraint if release levers or locking bolts bind or do not move freely. When release levers are lifted, release levers and locking bolts should spring back immediately.*
- *Do NOT oil or lubricate any part of restraint.*
- *ALWAYS confirm restraint is locked securely in its unfolded position before each use.*
- *To avoid risk of injury, keep others at a safe distance during folding and unfolding.*
- *Familiarize yourself with restraint unfolding and folding operations prior to use.*
- *Foreign objects and debris can interfere with proper operation of locking mechanism. Before installation, confirm both locking bolt and release lever areas are free of any debris (see page 39, for cleaning of mechanisms).*

Unfolding Restraint:

1. Place restraint on its back on a flat surface and unfasten red carry strap from restraint bottom. (Fig. 1)

2. Firmly rotate restraint bottom until a 'click' confirms restraint is locked in open position. (Fig. 2)

☞ *IMPORTANT:*

Confirm release levers are completely recessed inside their housings. (See page 3 diagram) Confirm restraint is locked in the open position. If not, repeat step 2.

Unfolding Restraint
(continued)

3. Pull harness adjusting strap until harness begins to tighten. (Fig. 3) If strap does not slide freely, fold restraint, remove harness adjusting strap from fold joint and repeat step 3.

4. Fold and fasten red carry strap, and fasten both fabric side panels to center panel. (Fig. 4)

5. Slide red carry strap through slot and store behind cover. (Fig. 5)

Folding Restraint:

1. Remove red carry strap from behind cover and unbuckle harness. Unfasten both fabric side panels and tuck them into the sides. (Fig. 1)

2. Loosen harness: lift harness adjuster while pulling the harness straps all the way forward. (Fig. 2)

3. Raise head support to its top position (see page 30).

Folding Restraint
(continued)

4. Place restraint on its back, push either release lever downward to release locking bolts. (Fig. 3)

5. Pull harness straps firmly toward top center of restraint. Keep buckle extended toward top of restraint while folding seat bottom into back. (Fig. 4)

☞ IMPORTANT:

If restraint does not easily fold completely, do NOT force it closed. See below: 'Folding Tips'

6. Fasten red carry strap to secure restraint in its folded position. (Fig. 5)

⚠ WARNING:

- *Restraint can accidentally unfold and cause injury if not properly secured by carry strap.*

Folding Tips: to fold restraint completely:

Loosen harness sufficiently.

Unfasten and tuck fabric side panels into the sides.

Pull harness buckle toward top of restraint.

Make sure cover fabric or harness webbing is not caught in the steel supports when folding.

Detachable Base

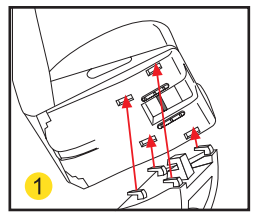
⚠ WARNING:

- *Detachable base must be used when restraint is rear-facing.*
- *Do NOT use detachable base when restraint is forward-facing.*

Installing base (Rear-facing only):

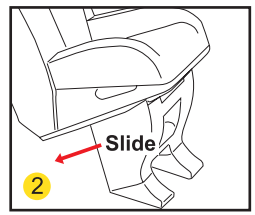
1. Confirm restraint is locked in its unfolded position (see page 10).

2. Confirm adjustable bottom is locked in its raised position (see page 27).

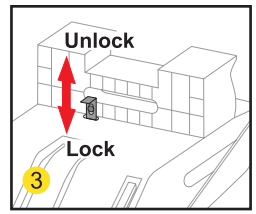


3. Align posts with holes and insert base into restraint bottom. (Fig. 1)

4. Slide base back until it reaches alignment mark on restraint bottom and secures into place. (Fig. 2)



5. Push down metal tab to lock base (Fig. 3)



Removing base:

1. Lift metal tab to unlock base (Fig. 3)

2. Slide base forward (the opposite direction as shown in Fig. 2).

3. Pull base away from restraint bottom.

Tip: To carry detachable base, fit it inside folded restraint (Fig. 4).

Rear-facing LATCH Installation:

For Children 5 lbs - 45 lbs

⚠ *WARNING:*

- *You must use restraint rear-facing if child is less than 1 year and weighs less than 20 lbs.*
- *Detachable base must be used with rear-facing restraint.*
- *Do NOT use SafeStop with rear-facing child.*
- *See page 41 for LATCH connector instructions*

Fig. 1 shows a typical rear-facing installation with LATCH. Measure restraint angle from vehicle floor.

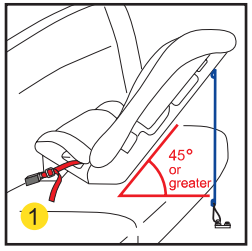
1. Confirm detachable base is securely attached to restraint bottom (see page 13).

2. Confirm vehicle seating location has its own LATCH anchors (see vehicle owner's manual.) If it does not, you must use vehicle seat belt for installation (see pages 16 and 18).

3. Locate LATCH belt secured in storage compartment on restraint back. Press red release button to remove each LATCH connector and webbing. Slide the narrow LATCH tethering strap out of plastic strap guides on side of the seat.

4. Place restraint in proper rear-facing position:

Restraint bottom and base are both flat on the vehicle seat with front of restraint against the back of that vehicle seat. (Fig. 1)



Rear-facing angle can be adjusted by using the optional top tether shown in blue in Fig. 1 *(see page 28 for top tether instructions).*

Note: It may be necessary to move vehicle front seats slightly forward to fit a rear-facing restraint at correct angle.

Rear-Facing LATCH Installation:

For Children 5 lbs - 45 lbs
(continued)

5. Route LATCH belt through rear-facing belt path. Confirm LATCH belt lays flat and is not twisted. Attach each connector to the LATCH anchor closest to each side of the restraint. (Figs. 2 & 3)

• LATCH connector will 'click' to confirm attachment to anchor.

6. Push restraint down firmly into vehicle seat back while tightening LATCH belt. (Fig. 4)

Vehicle cushions should compress where there is contact with restraint.

✓ *Check List:*

❑ *Confirm restraint is properly positioned.*

❑ *Confirm LATCH belt is tight and that connections to approved LATCH anchors are secure.*

❑ ***Confirm restraint installation is stable*** *(see page 25).*

❑ *Confirm proper restraint angle (see page 14)*

❑ *Stability of installation and rear-facing angle can be improved by using top tether (see page 28 for top tether instructions)*

Removal:

Press red release button on each LATCH connector to release it.

Disconnect top tether if in use.

Properly store LATCH belt and top tether.

Rear-Facing Lap-Shoulder Belt Installation:

For Children 5 lbs - 45 lbs

⚠ *WARNING:*

- *You must use restraint rear-facing if child is less than 1 year and weighs less than 20 lbs.*
- *Detachable base must be used with rear-facing restraint.*
- *Do NOT use SafeStop with rear-facing child.*

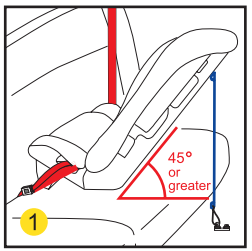
Fig. 1 shows a typical rear-facing installation with a lap-shoulder vehicle seat belt. Measure restraint angle from vehicle floor.

1. Confirm detachable base is securely attached to restraint bottom (see page 13).

2. Place restraint in proper rear-facing position:

Restraint bottom and base are both flat on vehicle seat with front of restraint against the back of that vehicle seat. (Fig. 1)

Rear-facing angle can be adjusted by using the optional top tether shown in blue in Fig. 1 *(see page 28 for top tether instructions).*



Note: It may be necessary to move vehicle front seats slightly forward to fit a rear-facing restraint at correct angle.

3. Route seat belt through rear-facing belt path and buckle it. (Figs. 2 & 3) Confirm seat belt lays flat and is not twisted.

Rear-Facing Lap-Shoulder Belt Installation:

For Children 5 lbs - 45 lbs
(continued)

4. Push restraint down firmly into vehicle seat back while pulling shoulder portion of seat belt to remove slack and tighten lap portion of seat belt. (Fig. 4)

Vehicle cushions should compress where there is contact with restraint.

⚠ *WARNING:*

- *Make sure vehicle seat belt is properly locked.*
- *Failure to properly lock seat belt will result in an unsafe installation that will greatly increase the potential for injury or death to the child in an accident.*
- *Carefully read vehicle owner's manual to determine seat belt locking requirements or contact vehicle manufacturer.*

See page 37 for instructions on using a locking clip.

✓ *Check List:*

- ❑ *Confirm restraint is properly positioned.*
- ❑ *Confirm seat belt is tight and securely locked*
- ❑ *Confirm seat belt buckle is properly fastened.*
- ❑ ***Confirm restraint installation is stable***
- ❑ *Confirm proper restraint angle (see page 16)*
- ❑ *Stability of installation and rear-facing angle can be improved by using top tether (see page 28 for top tether instructions).*

Removal:

Release seat belt buckle and disconnect top tether if in use. Properly store top tether.

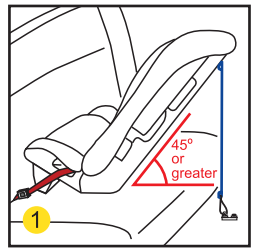
Rear-Facing Lap Belt Installation:

For Children 5 lbs - 45 lbs

⚠ *WARNING:*

- *You must use restraint rear-facing if child is less than 1 year and weighs less than 20 lbs.*
- *Detachable base must be used with rear-facing restraint.*
- *Do NOT use SafeStop with rear-facing child.*

Fig. 1 shows a typical rear-facing installation with a lap vehicle seat belt. Measure restraint angle from vehicle floor.



1. Confirm detachable base is securely attached to restraint bottom. (see page 13)

2. Place restraint in proper rear-facing position:

Restraint bottom and base are both flat on the vehicle seat with front of restraint against the back of that vehicle seat. (Fig. 1)

Rear-facing angle can be adjusted by using optional top tether shown in blue in Fig. 1 *(see page 28 for top tether instructions).*

Note: It may be necessary to move vehicle front seats slightly forward to fit a rear-facing restraint at correct angle.

3. Route seat belt through rear-facing belt path. (Fig. 2)

Confirm seat belt lays flat and is not twisted.

Rear-Facing Lap Belt Installation:

For Children 5 lbs - 45 lbs
(continued)

4. Push restraint down firmly into vehicle seat back while adjusting seat belt length. Tighten and lock seat belt accordingly to vehicle owner's manual. (Fig. 3)

Vehicle cushions should compress where there is contact with restraint.

✓ *Check List:*

- ❑ *Confirm restraint is properly positioned.*
- ❑ *Confirms seat belt is tight and buckle is properly fastened.*
- ❑ ***Confirm restraint installation is stable*** *(see page 25).*
- ❑ *Confirm proper restraint angle (see page 18).*
- ❑ *Stability of installation and rear-facing angle can be improved by using top tether (see page 28 for top tether instructions).*

Removal:

Release seat belt buckle and disconnect top tether if in use. Properly store top tether.

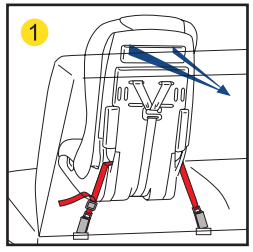
Forward-Facing LATCH Installation:

For Children 20 lbs - 80 lbs

⚠ *WARNING:*

- *Remove detachable base when restraint is forward-facing.*
- *Do NOT place infant in forward-facing restraint until 1 yr and 20 lbs.*
- *ALWAYS use SafeStop with LATCH installation for forward-facing child under 40 lbs (see page 26).*
- *This restraint features the SuperLATCH® installation system. Vehicle's lower anchor points or top tether can be used to install this restraint for a child weighing up to 80 lbs (36 kg) in vehicles made after September 2005. For vehicles made before September 2005, consult vehicle manual for lower anchor and tether limits.*
- *See page 41 for LATCH connector instructions*

Fig. 1 shows a typical forward-facing installation with LATCH.



1. Confirm vehicle seating location has its own LATCH anchors. If it does not, you must use vehicle seat belt installation (see pages 22 and 24).

2. Locate LATCH belting secured in storage compartment on restraint back. Press red release button to remove each LATCH connector and webbing.
Slide narrow LATCH tethering strap out of plastic strap guides on side of restraint.

3. Place restraint in forward-facing position.

Stability of installation can be improved by using top tether shown in blue, Fig. 1 (see page 28 for top tether instructions).

4. Route LATCH belt through forward-facing belt path and behind restraint cover. (Fig. 2)

Forward-Facing LATCH Installation:

For Children 20 lbs - 80 lbs
(continued)

Installation Tip:

Unfasten fabric side panels and reach behind restraint cover for easy access to belt path. (Fig. 3)

5. Confirm LATCH belt lays flat and is not twisted. Attach each connector to the LATCH anchor closest to each side of the restraint. (Fig. 4)

- LATCH connector will 'click' to confirm attachment to anchor.

6. Pull loose end of LATCH strap through back of restraint (Fig 5) Kneel on restraint to force it into vehicle seat while pulling strap in upward direction until tight. (Fig 6)

Vehicle cushions should compress where there is contact with restraint.

✓ *Check List:*

❑ *Confirm restraint is properly positioned.*

❑ *Confirm LATCH belt is tight and that connections to approved LATCH anchors are secure.*

❑ ***Confirm restraint is stable*** *(see page 25).*

Removal:

Press red release button on each LATCH connector. Disconnect top tether. Properly store LATCH belt and top tether.

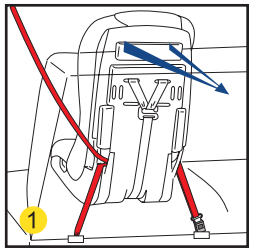
Forward-Facing Lap-Shoulder Belt Installation:

For Children 20 lbs - 80 lbs

⚠ *WARNING:*

- *Remove detachable base when restraint is forward-facing.*
- *Do NOT place infant in forward-facing restraint until 1 yr and 20 lbs.*
- *For lap-shoulder belt installation ONLY use SafeStop with top tether and with child under 40 lbs. (see page 26).*

Fig. 1 shows a typical forward-facing installation with Lap-Shoulder belt.



1. Place restraint in forward-facing position. Stability of installation can be improved by using top tether shown in blue, Fig. 1. (see page 28 for top tether instructions)

2. Route seat belt through forward-facing belt path and behind restraint cover and buckle it. (Figs. 2 & 3) Confirm seat belt lays flat and is not twisted.

Installation Tip:

Unfasten fabric side panels and reach behind restraint cover for easy access to belt path. (Fig. 4)

Forward-Facing Lap-Shoulder Belt Installation:

For Children 20 lbs – 80 lbs (continued)

3. Kneel on restraint to force it into vehicle seat while pulling shoulder portion of seat belt to remove slack and tighten lap portion of seat belt. (Fig. 5)

Vehicle cushions should compress where there is contact with restraint.

⚠ *WARNING:*

- *Make sure vehicle seat belt is properly locked.*
- *Failure to properly lock seat belt will result in an unsafe installation that will greatly increase the potential for injury or death to the child in an accident.*
- *Carefully read vehicle owner's manual to determine seat belt locking requirements or contact vehicle manufacturer.*

See page 37 for instructions on using a locking clip.

✓ *Check List:*

- ❑ *Confirm restraint is properly positioned.*
- ❑ *Confirm seat belt is tight and securely locked.*
- ❑ *Confirm seat belt buckle is properly fastened.*
- ❑ ***Confirm restraint is stable*** *(see page 25).*

Removal:

Release seat belt buckle and disconnect top tether if in use. Properly store top tether.

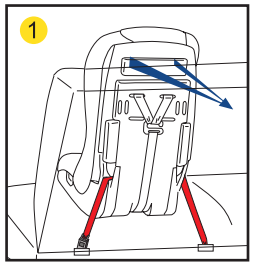
Forward-Facing Lap Belt Installation:

For Children 20 lbs – 80 lbs

⚠ *WARNING:*

- *Do NOT place infant in forward facing restraint until 1 yr and 20 lbs.*
- *For lap belt installation ONLY use SafeStop with top tether and with child under 40 lbs. (see page 26).*
- *Remove detachable base when restraint is installed forward-facing.*

Fig. 1 shows a typical forward-facing installation with Lap-Shoulder belt.



1. Place restraint in forward-facing position. Stability of installation can be improved by using top tether shown in blue, Fig. 1. (see page 28 for top tether instructions)

2. Route seat belt through forward-facing belt path and behind restraint cover and buckle it. (Figs. 2 & 3).

Confirm seat belt lays flat and is not twisted.

Installation Tip:

Unfasten fabric side panels and reach behind restraint cover for easy access to belt path. (Fig. 4)

Forward-Facing Lap Belt Installation:

For Children 20 lbs – 80 lbs
(continued)

3. Kneel on restraint to force it into vehicle seat while pulling shoulder portion of seat belt to remove slack and tighten lap portion of seat belt. (Fig. 5)

Vehicle cushions should compress where there is contact with restraint.

✓ *Check List:*

- ❑ *Confirm restraint is properly positioned.*
- ❑ *Confirm seat belt is tight and securely locked.*
- ❑ *Confirm seat belt buckle is properly fastened.*
- ❑ ***Confirm restraint is stable*** *(see below).*

Removal:

Release seat belt buckle and disconnect top tether if in use. Properly store top tether.

Checking Restraint Stability

⚠ *WARNING:*

An unstable installation is NOT safe and will greatly increase the potential for injury or death to the child in an accident.

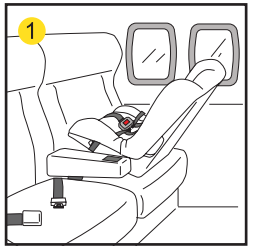
Confirm stability of restraint after installation and before each use:

Grasp restraint near belt path being used. Attempt to move restraint side-to-side and front to back: restraint should not move more than 1" in any direction. Restraint should stay securely installed and the securing belt (either LATCH belt or vehicle seat belt) must remain tightly adjusted.

If restraint does not stay securely installed or if the securing belt does not stay tightly adjusted, restraint installation is NOT safe. You MUST re-install restraint according to the restraint instructions and the vehicle owner's manual.

Aircraft Installation

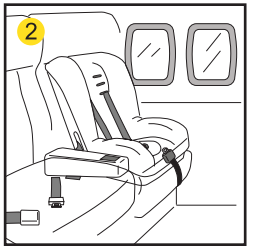
This restraint is FAA certified for use in an aircraft.



Rear-facing aircraft installation (Fig.1):

Adjust seatbelt buckle to its shortest length to insure buckle is accessible for release.

Ask flight attendant for 'seatbelt extender', and then use this extender to adjust seatbelt length.



Following remaining installation instructions on page 18.

Forward-facing aircraft installation (Fig. 2):

Follow installation instructions on page 24.

SafeStop™

SafeStop is a load-limiting device designed to absorb energy and reduce impact to a smaller, forward-facing child. Store SafeStop with top tether on back of restraint.

⚠ WARNING:

• ALWAYS use SafeStop when using LATCH or top tether with forward-facing child under 40 lbs.

• Do not use SafeStop with any other configuration.

• Do not use with rear-facing child.

INSTRUCTIONS:

1. Remove harness straps from metal yoke of harness adjuster (Fig. 1).

2. Thread bottom of SafeStop on to metal yoke of harness adjuster (Fig. 2).

3. Thread both harness straps on to metal arm of SafeStop (Fig. 2)

Forward-facing Recline Adjustment

⚠ WARNING:

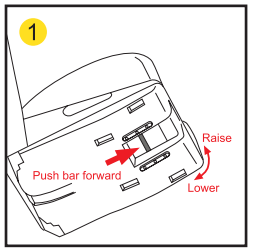
• Do not operate adjustable bottom when using detachable base with rear-facing installation.

• Only use adjustable bottom to position forward-facing restraint at a more reclined angle.

Fig. 1 shows operation of adjustable base.

Adjustable bottom must be operated before installation of restraint.

Restraint must be locked in its unfolded position before operating adjustable bottom.



Lowering adjustable bottom:

1. Pull bar upward. (Fig. 2)

2. Pull adjustable bottom out to its lowered position, then release bar. (Fig. 3)

3. Confirm adjustable bottom is locked in its lowered position.

Raising adjustable bottom:

1. Pull bar upward. (Fig. 2)

2. Push adjustable bottom back into restraint bottom, then release bar. (Fig. 4)

3. Confirm adjustable bottom is locked in its raised position.

Top Tether

• While Sunshine Kids always recommends the use of top tether, top tether use is not required with Radian.

• If vehicle does not have tether anchorage points, consult vehicle owner's manual or contact vehicle manufacturer with questions. Do NOT modify vehicle without approval from vehicle manufacturer or authorized vehicle dealer.

• Do NOT attach tether connecting strap to any movable mechanism of a vehicle seat.

• Angle of rear-facing restraint can be adjusted by tightening top tether strap.

⚠ WARNING:

In forward-facing installations, attach top tether to approved vehicle tether anchorage points ONLY, as labeled by vehicle manufacturer.

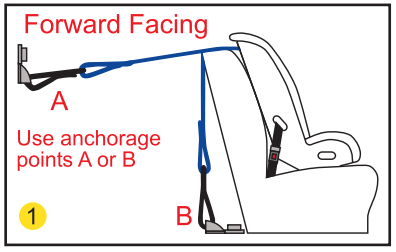
• ALWAYS use SafeStop with top tether with forward-facing child under 40 lbs. (see page 26)

Using Top Tether:

1. Before installing restraint, remove top tether from storage compartment and fully extend tether strap into a 'V-shape.

2. Loosely attach top tether to approved anchorage point in vehicle using the hook at end of top tether strap.

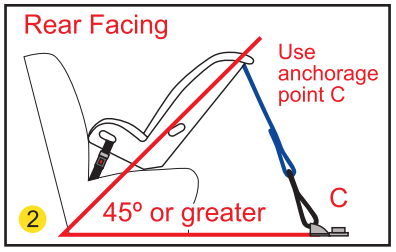
See Fig. 1 for forward facing installations.



See Fig. 2 for rear facing installations.

Note: Rear facing installation may also require the use of tether connecting strap (see page 29).

Top Tether
(continued)



3. Install restraint as shown in appropriate installation sections (see pages 14 to 24 for restraint installation instructions).

4. After installing restraint, pull top tether adjuster strap to remove all slack. Confirm top tether strap has tension and that restraint is properly secured and stable and restraint is reclined at the proper angle. Restraint angle can be adjusted by tightening top tether strap.

Tether Connecting Strap

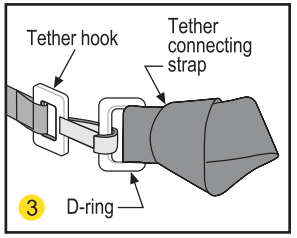
⚠ WARNING:

Tether connecting strap is ONLY to be used in rear-facing installations.

With some vehicle models, the top tether hook may not fit structural parts of vehicle seat or there may not be a suitable anchorage point for top tether hook. It may be necessary to use the tether connecting strap to create a tether anchorage point:

1. Locate attachment point where a vehicle seat belt is anchored directly to frame of vehicle, OR find the leg of a vehicle seat that is bolted to vehicle frame.

2. Wrap tether connecting strap around vehicle leg or seat belt anchorage point, and thread metal 'D' ring through the loop at end of tether connecting strap. Pull strap to form a tight knot. (Fig. 3)



3. Now, use metal 'D' ring as an anchorage point for top tether metal hook (see page 28 for restraint tether instructions).

Support Cushions

⚠ *WARNING:*

Do not use body support for children over 30 lbs.

Infant Support:

Attach head cushion to body cushion and place in seat. (Fig. 1)

Toddler Body Support:

Remove head cushion to use body cushion by itself. (Fig. 2)

Side Impact Head Support

Aluminum reinforced head support lined with EPS foam, for advanced side impact safety and performance.

Height Adjustment:

Holding both sides of head support near the back, lift-up (Fig. 3) or push down (Fig. 4) to adjust height.

Proper Height:

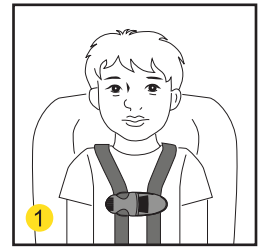
When using the top three harness slots, position head support so that bottom edge is just above the shoulder. (Fig. 4)

When using the bottom two harness slots, position head support at its highest location.

Using Harness Clip

☞ *IMPORTANT:*

Position harness clip at proper height for child: level with child's armpits. (Fig.1)

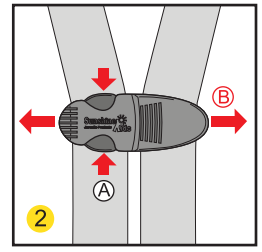


To Fasten:

Push both halves together until a 'click' confirms proper engagement.

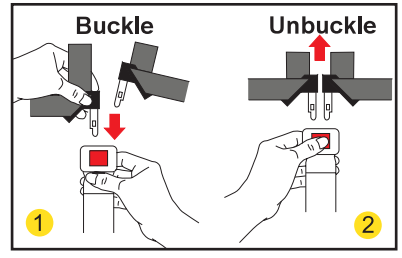
To Unfasten:

Squeeze middle tabs together (Fig. 2-A) and separate clip. (Fig. 2-B)



Restraint Harness Buckle

• **To Fasten:** Insert one buckle tongue at a time into buckle. A 'click' confirms proper connection after each tongue is inserted. (Fig. 1)



• **To Unfasten:** Press the red button on the face of buckle and both buckle tongues will eject. (Fig. 2)

Properly Securing Child

⚠ *WARNING:*

Serious injury or death can result if child is not properly secured in restraint.

Confirm harness is snug* before each use and after making any restraint adjustments.

1. Confirm proper restraint installation.

2. To loosen harness: lift harness adjuster and pull shoulder straps forward (Fig. 1)

3. Unfasten harness clip and harness buckle, and move harness straps to the sides.

4. Raise head support to its top position (see page 30) and place child in restraint.

5. Position harness straps around child and fasten buckle and harness clip. (Figs. 2 & 3)

Confirm harness clip and buckle are properly fastened by gently tugging on each.

6. Gently pull harness straps upward to snugly fit lap portion of harness which should fit low on child's body, across the hips.

7. Slowly pull adjuster strap downward to tighten harness for a comfortable and snug fit around child. (Fig. 4)

* A snug harness strap should not allow any slack. It lies in a relatively straight line without sagging. It does not press on the child's flesh or push the child's body into an unnatural position.

Properly Securing Child

(continued)

☞ *IMPORTANT:*

Give a firm, upward tug on both harness straps behind the child's shoulders and close to the harness slots in the restraint, to confirm there is no harness slack behind the restraint.

8. Confirm harness is not twisted and lays flat against child. Adjust head support to proper height (see page 30).

9. Properly position harness clip so that it is level with child's armpits.

10. Confirm harness height is correct (see below for correct Harness Height).

11. Confirm harness buckle location is correct (see page 35 for correct center buckle position).

Proper Harness Height & Child Height

⚠ *WARNING:*

ONLY use top three shoulder harness positions for forward-facing child.

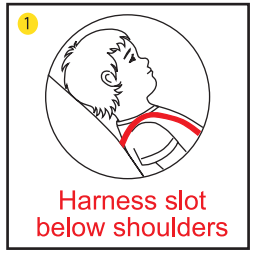
1. Confirm correct harness height:

Rear-facing (Fig. 1): Straps should be in nearest slot at or below the level of child's shoulders.

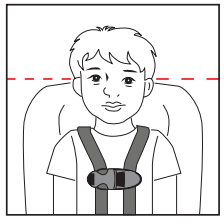
Forward-facing (Fig. 2): Straps should be in nearest slot at or above the level of child's shoulders.

Note: when using uppermost harness position, level of child's shoulders can be above harness slot as long as child is proper height (see page 34).

2. If harness height is not correct, you MUST adjust it before using restraint with that child. (See page 34 for adjusting harness height)



Proper Harness Height and Child Height
(continued)



Weight Ranges:
Rear Facing 5-35 lbs (2.3 kg -2 .5kg)
Forward Facing up to 80 lbs (36 kg)

Maximum Height:
Child is too tall for restraint if tops of the ears are above the back of the restraint OR if child is more than 53" tall (134.5 cm)

Adjusting Harness Height

1. Loosen harness: lift harness adjuster and pull shoulder straps forward. (Fig. 1)

2. From back of restraint, remove shoulder straps from metal harness yoke. (Fig. 2)

3. From front of restraint, pull shoulder straps out and re-thread them through the correct height harness slots. (Fig. 3)

4. From back of seat, re-attach shoulder straps to metal harness yoke. (Fig. 2)

☞ ***IMPORTANT:***
Make sure loop ends of BOTH straps are threaded completely onto the arm of the metal harness yoke.

5. Confirm harness straps are not twisted and both shoulder straps are threaded through restraint at the same height.

6. Pull harness adjuster strap to re-tighten harness.

Harness Buckle Location

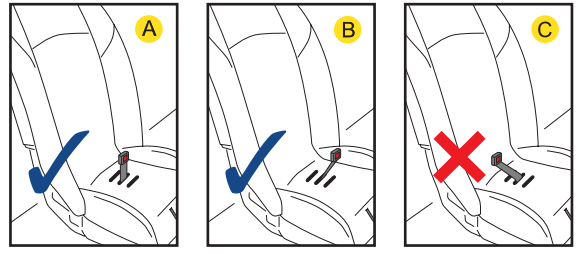
Confirm location of harness buckle is correct, to insure proper harness fit:

1. Properly secure child in restraint (see page 32).

2. Check for correct position of harness buckle:

For children 5-30 lbs:
Harness buckle can be directly above its buckle slot. (Fig. A) or forward of its buckle slot (Fig. B)
If harness buckle strap angles sharply back towards child (Fig. C), move buckle to a rear buckle location. (See below)

For children over 30 lbs:
Always use forward-most buckle location



Harness Buckle Removal and Installation

Installing harness buckle:

1. Locate correct harness buckle slot.

2. Hold buckle strap metal retainer vertically and then rotate it slightly to slide it completely through slot in restraint bottom. (Fig. 1)

3. Firmly pull buckle upward to confirm it is secured by restraint bottom.

4. Confirm buckle release button faces towards front of restraint and buckle strap is not twisted.

Harness Buckle Removal and Installation
(continued)

Removing harness buckle:

1. Make sure restraint is securely locked in its unfolded position. (See page 10, unfolding restraint).

2. Unbuckle harness.

3. Push harness buckle strap down 2 inches into rear-facing belt path tunnel.

4. Position metal buckle strap retainer so that it is vertical. (Fig. 2)

5. Guide buckle strap and metal retainer upward and rotate it slightly to fit through slot in restraint bottom. (see Fig. 1 on page 35)

☞ ***IMPORTANT:***
For larger hands or if buckle is in position closest to child, partially fold the restraint to access the metal retainer through bottom of restraint. (Fig. 3)

Locking a Vehicle Lap-Shoulder Belt with a Locking Clip

Proper use of a locking clip maintains a tight, secure installation by preventing the seat belt from becoming loose over time.

⚠ *WARNING:*

• Failure to properly lock the seat belt will result in an unsafe installation that will greatly increase the potential for injury or death to the child in an accident.

• If your vehicle lap shoulder seat belt is equipped with ELR (Emergency Locking Retractor) that does not switch to function as ALR (Automatic Locking Retractor), you MUST use a locking clip to secure lap portion of vehicle seat belt.

If you have any questions about the specific type of seat belt system in your vehicle and its operation, consult vehicle owner's manual or contact vehicle manufacturer.

1. Remove locking clip from storage location on restraint back.

2. Begin restraint installation as per instructions (see pages 16 and 22 for lap-shoulder belt installation instructions).

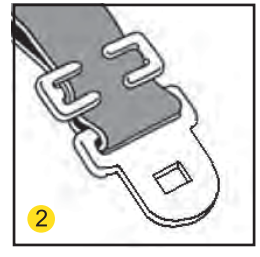
3. After seat belt is tightened, hold the lap and shoulder portions together with one hand. (Fig.1) This determines the correct seat belt length to 'lock'.

Using your other hand, release the seat belt buckle.

4. While still holding the lap and shoulder belts together, attach locking clip to the lap and shoulder belts. (Fig. 2)

5. Re-insert seat belt buckle tongue into buckle. (Fig. 3)

6. If seat belt is not tight enough, re-tighten seat belt and repeat steps 3 though 5.



Locking a Vehicle Lap-Shoulder Belt with a Locking Clip
(continued)

7. Once seat belt is tight and locked, complete remaining installation instructions.

NOTE: To prevent loss, secure locking clip in its storage location after use.

Restraint Cover

⚠ WARNING:

Never remove harness buckle tongues or chest clip from harness shoulder straps. This is dangerous and is NOT necessary when removing and replacing restraint cover.

Removing restraint cover:

1. Unthread harness shoulder straps from back of restraint (see page 34, adjusting harness height).

2. Remove fasteners securing cover to inside of restraint bottom. (Fig. 1–A)

3. Remove fasteners securing cover to outside of restraint bottom. (Fig. 1–B)

4. Unhook fasteners securing cover to front of restraint.

5. Carefully remove upper portion of cover from restraint taking care not to damage the white EPS foam panels, and then remove cover from bottom portion of the restraint.

Replacing restraint cover:

To replace the cover, follow cover removal instructions in reverse order. Make sure harness shoulder straps are threaded through the correct slots and that harness straps are not twisted. (See page 34, for changing harness height)

Cleaning and Maintenance

Cleaning / Maintenance of release mechanism and locking bolts:

Periodically inspect release levers and locking bolts for cleanliness and proper functioning: When release levers are lifted, release levers and locking bolts should spring back immediately and completely.

⚠ WARNING:

• Do NOT use restraint if release levers and locking bolts do not function properly. There may be excessive build-up of debris that cannot be removed or internal damage to the locking mechanisms that could prevent safe functioning.

• Do NOT oil or lubricate any part of the restraint.

• Do NOT use restraint if there is any appearance of rust on any metal surface.

Remove debris from release mechanism areas (Fig. 1) with soft bristled brush.

Removing dried liquids or food require more thorough cleaning:

1. Secure restraint in its folded position (see page 11, folding restraint).

2. Clean with damp cloth only: wet cloth with warm water and wring thoroughly so it is NOT dripping water.

3. Towel dry

4. Confirm areas are free of debris and release mechanisms function properly.

Use ONLY water

Do NOT use solvents, soap, abrasive cleaners or any detergents.

Cleaning and Maintenance
(continued)

Cleaning the plastic shell:

- Clean with damp cloth only: wet cloth with warm water and mild soap and wring thoroughly so it is NOT dripping water.
- Towel dry.
- Do NOT: use solvents or abrasive cleaners.

Washing the cover:

- Hand wash only.
- Line dry to prevent shrinking.
- Do NOT: bleach, machine wash or machine dry.

(See page 38 for cover removal and replacement)

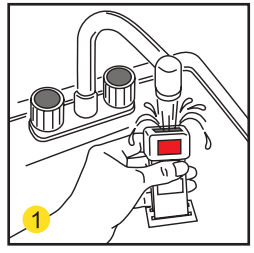
Cleaning harness straps:

- Clean with damp cloth only: wet cloth with warm water and mild soap and wring thoroughly so it is NOT dripping water.
- Towel dry.
- Do NOT: use solvents or abrasive cleaners.

Cleaning harness buckle:

If child eats or drinks in restraint, periodically clean harness buckle to insure proper functioning.

1. Remove center buckle from restraint. (see page 35)



2. Rinse thoroughly in mildly hot water or soak overnight to loosen dried liquid or hardened food debris. (Fig. 1)

3. Towel dry.

4. Confirm proper buckle functioning: repeatedly fasten and un-fasten buckle with both tongues. If no 'click' is heard confirming proper engagement after inserting each buckle tongue, repeat cleaning procedure.

Use ONLY water to clean buckle.

Do NOT use solvents, soap, abrasive cleaners or detergents.

Do NOT lubricate.

Cleaning and Maintenance
(continued)

Cleaning harness adjuster:

Periodically inspect harness adjuster for cleanliness and proper functioning: When lifted, harness adjuster should spring back immediately.

- Use a soft bristle brush to remove loose debris or clean more thoroughly if necessary.
- Clean with damp cloth only: wet cloth with warm water and wring cloth thoroughly so it is NOT dripping water.
- Towel dry.
- Do NOT: use solvents or abrasive cleaners.
- Do NOT attempt to disassemble the harness or unthread adjuster mechanism

SuperLATCH®

SuperLATCH is a high–capacity child restraint installation system .

Using SuperLATCH® Connector:

1.Press red button to set connector to 'open' position for use (Fig 2)
2.Attach connector to vehicle anchor (audible 'click' confirms attachment, see pages 14 and 20 for complete instructions)

Release: Press red button to release connector from vehicle anchor (Fig 1)

Replacing harness straps

1. Remove harness clip and buckle tongs from harness straps.

2. Take out screws and remove access panels (Fig. 1)

3. Remove old harness straps from seat.

4. Insert new harness strap through slot in metal frame (Fig. 2), pull strap until metal end is inside the cavity (Fig. 3)

5. Fasten access panels in place with screws. (Fig. 1)

6. Slide buckle tongs and harness clip onto harness straps.

Warranty Information

This child restraint was manufactured by Sunshine Kids Juvenile Products LLC ("Sunshine Kids"). Sunshine Kids warrants this product to the original retail purchaser as follows:

Limited one-year warranty:

This product is warranted solely to the retail customer who purchased the product against defective materials or workmanship for one year from original date of retail purchase. Proof of purchase is required. The exclusive remedy for this warranty is that Sunshine Kids will, at its option, replace, repair or provide replacement components for this product or may refund the original purchase price of this product. Sunshine Kids reserves the right to change fabrics, parts, product model or to make substitutions. To initiate a claim under this warranty, please contact Sunshine Kids at 1-888-336-7909 or contact us using the address on the back of this instruction manual.

Warranty Information

(continued)

Limited one-year warranty:

Please register this product within 30 days of original date of purchase, by completing and mailing the registration card.

Warranty Limitations

This warranty does not include damage arising directly or indirectly from negligence, misuse or unapproved use by the retail customer which are not in accordance with instructions contained in the product instruction manual or Federal governmental safety guidelines for the use of such products.

Using any non-Sunshine Kids product, or any product not specifically approved by Sunshine Kids for use with this restraint is not allowed. Use of such non-Sunshine Kids products could seriously impair this product's ability to perform properly in an accident and could cause it to fail Federal Motor Vehicle Safety Standards. Any such use will result in the voiding of the warranty provided hereunder.

Limitations of Damages

The warranty and remedies set forth above are sole and exclusive remedies with respect to the product and are in lieu of all others, whether oral or written expressed or implied. In no event whatsoever, will Sunshine Kids or a retailer of this product be liable for any damages, including those incidental or consequential, arising out the use of this product.

Warranty limitations and other warranty terms and conditions.

The express warranty provided hereunder is in lieu of any implied warranties, including implied warranties of merchantability and appropriateness for a particular purpose, and shall be limited to the duration and terms of this express written warranty unless otherwise restricted by applicable state law. This warranty grants you specific legal rights. Neither Sunshine Kids, nor any retailer selling this product, authorizes any other person or party to create for it any other warranty, obligation, or liability in connection with this product.